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November 29, 2018

VIA ELECTRONIC FILING

The Honorable Jocelyn G. Boyd
Chief Clerk/Administrator
Public Service Commission of South Carolina
101 Executive Center Drive, Suite 100
Columbia, South Carolina 29210

Re: **Duke Energy Progress, LLC – Monthly Fuel Report**
Docket No. 2006-176-E

Dear Ms. Boyd:

Pursuant to the Commission's Orders in Docket No. 1977-354-E, enclosed for filing is Duke Energy Progress, LLC's Monthly Fuel Report in Docket No. 2006-176-E for the month of October 2018.

Should you have any questions regarding this matter, please do not hesitate to contact me at 803-988-7130.

Sincerely,

Rebecca J. Dulin

Enclosure

cc: Service List

Duke Energy Progress
Summary of Monthly Fuel Report

Schedule 1

Line No.	Item	October 2018
1	Fuel and Fuel-related Costs excluding DERP incremental costs	$ 109,164,816
	MWH sales:	
2	Total System Sales	5,752,327
3	Less intersystem sales	601,804
4	Total sales less intersystem sales	5,150,523
5	Total fuel and fuel-related costs (¢/KWH) (Line 1/Line 4)	2.1195
6	Current fuel & fuel-related cost component (¢/KWH) (per Schedule 4)	2.6937
	Generation Mix (MWH):	
	Fossil (By Primary Fuel Type):	
7	Coal	388,918
8	Oil	(1,449)
9	Natural Gas - Combustion Turbine	585,097
10	Natural Gas - Combined Cycle	1,439,801
11	Biogas	252
12	Total Fossil	2,412,620
13	Nuclear	2,114,854
14	Hydro - Conventional	56,390
15	Solar Distributed Generation	18,193
16	Total MWH generation	4,602,057

Note: Detail amounts may not add to totals shown due to rounding.

Schedule 2

Duke Energy Progress
Details of Fuel and Fuel-Related Costs

Description		October 2018
Fuel and Fuel-Related Costs:		
Steam Generation - Account 501		
0501110 coal consumed - steam	$	14,594,043
0501310 fuel oil consumed - steam		333,464
Total Steam Generation - Account 501		14,927,507
Nuclear Generation - Account 518		
0518100 burnup of owned fuel		13,744,614
Other Generation - Account 547		
0547000 natural gas consumed - Combustion Turbine		20,338,235
0547000 natural gas capacity - Combustion Turbine		1,923,596
0547000 natural gas consumed - Combined Cycle		33,249,082
0547000 natural gas capacity - Combined Cycle		7,855,909
0547106 biogas consumed - Combined Cycle		12,684
0547200 fuel oil consumed		140,493
Total Other Generation - Account 547		63,519,999
Purchased Power and Net Interchange - Account 555		
Fuel and fuel-related component of purchased power		36,400,399
Fuel and fuel-related component of DERP purchases		(14,231)
PURPA purchased power capacity		2,509,771
DERP purchased power capacity		(1,249)
Total Purchased Power and Net Interchange - Account 555		38,894,690
Less fuel and fuel-related costs recovered through intersystem sales - Account 447		22,797,096
Total Costs Included in Base Fuel Component	$	108,289,714
Environmental Costs		
0509030, 0509212, 0557451 emission allowance expense	$	1,511
0502020, 0502030, 0502040, 0502080, 0502090, 0548020 reagents expense		894,255
Emission Allowance Gains		-
Less reagents expense recovered through intersystem sales - Account 447		14,395
Less emissions expense recovered through intersystem sales - Account 447		6,269
Total Costs Included in Environmental Component		875,102
Fuel and Fuel-related Costs excluding DERP incremental costs	$	109,164,816
DERP Incremental Costs		238,558
Total Fuel and Fuel-related Costs	$	109,403,374

Notes: Detail amounts may not add to totals shown due to rounding.

DUKE ENERGY PROGRESS
PURCHASED POWER AND INTERCHANGE
SOUTH CAROLINA

OCTOBER 2018

Purchased Power	Total	Capacity	Non-capacity		
Marketers, Utilities, Other	$	$	mWh	Fuel $	Non-fuel $
Broad River Energy, LLC.	$ 13,446,770	$ 1,094,886	309,586	$ 12,351,884	-
City of Fayetteville	748,642	300,000	6,537	448,642	-
Haywood EMC	29,050	29,050	-	-	-
NCEMC	5,148,025	2,670,419	61,439	2,477,606	-
PJM Interconnection, LLC.	63,506	-	1,835	63,506	-
Southern Company Services	4,317,029	562,380	109,277	3,754,649	-
DE Carolinas - Native Load Transfer	2,522,429	-	73,644	2,521,613	$ 816
DE Carolinas - Native Load Transfer Benefit	584,530	-	-	584,530	-
Energy Imbalance	116,226		2,754	111,262	4,964
Generation Imbalance	-		44	-	-
	$ 26,976,207	**$ 4,656,735**	**565,116**	**$ 22,313,692**	**$ 5,780**
Act 236 PURPA Purchases					
Renewable Energy	$ 11,861,370	$ -	181,822	$ 11,861,370	$ -
DERP Qualifying Facilities	(15,480)	-	(188)	(15,480)	-
Other Qualifying Facilities	4,735,108	-	84,780	4,735,108	-
	$ 16,580,998	**$ -**	**266,414**	**$ 16,580,998**	**$ -**
Total Purchased Power	**$ 43,557,205**	**$ 4,656,735**	**831,530**	**$ 38,894,690**	**$ 5,780**

NOTE: Detail amounts may not add to totals shown due to rounding.

DUKE ENERGY PROGRESS
INTERSYSTEM SALES*
SOUTH CAROLINA

OCTOBER 2018

Sales	Total $	Capacity $	Non-capacity mWh	Non-capacity Fuel $	Non-capacity Non-fuel $
Utilities:					
SC Electric & Gas - Emergency	$ 12,090	-	205	$ 10,329	$ 1,761
Market Based:					
NCEMC Purchase Power Agreement	1,088,624	$ 652,500	10,337	423,691	12,433
PJM Interconnection, LLC.	376	-	4	184	192
Other:					
DE Carolinas - Native Load Transfer Benefit	2,215,064	-	-	2,215,064	-
DE Carolinas - Native Load Transfer	21,225,547	-	591,206	20,168,165	1,057,382
Generation Imbalance	343	-	52	326	17
Total Intersystem Sales	**$ 24,542,044**	**$ 652,500**	**601,804**	**$ 22,817,759**	**$ 1,071,785**

* Sales for resale other than native load priority.

NOTE: Detail amounts may not add to totals shown due to rounding.

Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
October 2018

Line No.			Total Residential	General Service Non-Demand	Demand	Lighting	Total
1	Actual System kWh sales	Input					5,150,522,556
2	DERP Net Metered kWh generation	Input					1,428,329
3	Adjusted System kWh sales	L1 + L2					5,151,950,885
4	Actual S.C. Retail kWh sales	Input	165,612,806	25,881,860	380,164,429	6,790,304	578,449,399
5	DERP Net Metered kWh generation	Input	750,525	23,924	653,879		1,428,329
6	Adjusted S.C. Retail kWh sales	L4 + L5	166,363,331	25,905,784	380,818,308	6,790,304	579,877,728
7	Actual S.C. Demand units (kw)	L32 / 31b *100			704,900		
	Base fuel component of recovery - non-capacity						
8	Incurred System base fuel - non-capacity expense	Input					$96,015,917
9	Eliminate avoided fuel benefit of S.C. net metering	Input					$45,792
10	Adjusted Incurred System base fuel - non-capacity expense	L8 + L9					$96,061,709
11	Adjusted Incurred System base fuel - non-capacity rate (¢/kWh)	L10 / L3 * 100					1.865
12	S.C. Retail portion of adjusted incurred system expense	L6 * L11 / 100	$3,101,960	$483,031	$7,100,622	$126,610	$10,812,223
13	Assign 100 % of Avoided Fuel Benefit of S.C net metering	Input	($27,069)	($2,501)	($16,222)	$0	($45,792)
14	S.C. Retail portion of incurred system expense	L12 + L13	$3,074,891	$480,530	$7,084,400	$126,610	$10,766,431
15	Billed base fuel - non-capacity rate (¢/kWh) - Note 1	Input	2.366	2.366	2.366	2.366	2.366
16	Billed base fuel - non-capacity revenue	L4 * L15 /100	$3,918,545	$612,365	$8,994,690	$160,659	$13,686,259
17	DERP NEM incentive - fuel component	Input	($6,456)	($597)	($3,869)	$0	($10,922)
18	Adjusted S.C. billed base fuel - non-capacity revenue	L16 + L17	$3,912,089	$611,768	$8,990,821	$160,659	$13,675,337
19	S.C. base fuel - non-capacity (over)/under recovery [See footnote]	L18 - L14	($837,198)	($131,238)	($1,906,421)	($34,049)	($2,908,906)
20	Adjustment	Input					
21	Total S.C. base fuel - non-capacity (over)/under recovery [See footnote]	L19 + L20	($837,198)	($131,238)	($1,906,421)	($34,049)	($2,908,906)
	Base fuel component of recovery - capacity						
22a	Incurred base fuel - capacity rates by class (¢/kWh)	L23 / L4 * 100	0.493	0.291			
22b	Incurred base fuel - capacity rate (¢/kW)	L23 / L7 * 100			69		
23	Incurred S.C. base fuel - capacity expense	Input	$815,884	$75,371	$488,940		$1,380,195
24a	Billed base fuel - capacity rates by class (¢/kWh)	Input	0.676	0.426			
24b	Billed base fuel - capacity rate (¢/kW)	Input			88		
25	Billed S.C. base fuel - capacity revenue	L24a * L4 /100	$1,119,350	$110,257	$ 620,240	$0	$1,849,847
26	S.C. base fuel - capacity (over)/under recovery [See footnote]	L25 - L23	($303,466)	($34,886)	($131,300)	$0	($469,652)
27	Adjustment	Input	$0	$0	$0	$0	$0
28	Total S.C. base fuel - capacity (over)/under recovery [See footnote]	L26 + L27	($303,466)	($34,886)	($131,300)	$0	($469,652)
	Environmental component of recovery						
29a	Incurred environmental rates by class (¢/kWh)	L30 / L4 * 100	0.035	0.021			
29b	Incurred environmental rate (¢/kW)	L30 / L7 * 100			5		
30	Incurred S.C. environmental expense	Input	$58,098	$5,367	$34,817		$98,282
31a	Billed environmental rates by class (¢/kWh)	Input	0.019	0.008			
31b	Billed environmental rate (¢/kW)	Input			1		
32	Billed S.C. environmental revenue	L31a * L4 /100	$31,230	$2,071	$ 7,049		$40,350
33	S.C. environmental (over)/under recovery [See footnote]	L32 - L30	$26,868	$3,296	$27,768	$0	$57,932
34	Adjustment	Input					$0
35	Total S.C. environmental (over)/under recovery [See footnote]	L33 + L34	$26,868	$3,296	$27,768	$0	$57,932
	Distributed Energy Resource Program component of recovery: avoided costs						
36a	Incurred S.C. DERP avoided cost rates by class (¢/kWh)	L37 / L4 * 100	-0.001	0.000			
36b	Incurred S.C. DERP avoided cost rates by class (¢/kW)	L37 / L7 * 100			-0.087		
37	Incurred S.C. DERP avoided cost expense	Input	($1,028)	($95)	($616)		($1,739)
38a	Billed S.C. DERP avoided cost rates by class (¢/kWh)	Input	0.003	0.001			
38b	Billed S.C. DERP avoided cost rates by class (¢/kW)	Input			0.000		
39	Billed S.C. DERP avoided cost revenue	L38a * L4 /100	$4,931	$259	$0		$5,190
40	S.C. DERP avoided cost (over)/under recovery [See footnote]	L39 - L37	($5,959)	($354)	($616)	$0	($6,929)
41	Adjustment	Input	$0	$0	$0	$0	$0
42	Total S.C. DERP avoided cost (over)/under recovery [See footnote]	L40 + L41	($5,959)	($354)	($616)	$0	($6,929)
43	Total (over)/under recovery [See footnote]	L21 + L28 + L35 + L42	($1,119,755)	($163,182)	($2,010,569)	($34,049)	($3,327,555)

Year 2018-2019

	Cumulative (over) / under recovery - BASE FUEL NON-CAPACITY	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
	Balance ending February 2018	$23,394,223					
	March 2018 - actual	23,722,902	$105,966	$14,137	$203,204	$5,372	$328,679
	April 2018 - actual	23,109,195	(170,943)	(23,111)	(411,945)	(7,708)	(613,707)
	May 2018 - actual	23,830,285	191,924	30,025	488,780	10,361	721,090
	June 2018 - actual	25,124,368	428,696	63,626	785,404	16,357	1,294,083
	July 2018 - actual	24,946,484	(67,321)	(9,747)	(99,157)	(1,659)	(177,884)
	August 2018 - actual	24,050,415	(311,321)	(46,740)	(528,335)	(9,673)	(896,069)
	September 2018 - actual	24,878,029	299,793	45,472	471,998	10,351	827,614
	October 2018 - actual	21,969,123	(837,198)	(131,238)	(1,906,421)	(34,049)	(2,908,906)
_/2	November 2018 - forecast	19,250,544	(837,014)	(131,670)	(1,708,671)	(41,224)	(2,718,579)
_/2	December 2018 - forecast	17,202,172	(748,304)	(89,884)	(1,181,749)	(28,435)	(2,048,372)
_/2	January 2019 - forecast	15,973,581	(516,927)	(49,794)	(646,373)	(15,497)	(1,228,591)
_/2	February 2019 - forecast	14,515,042	(581,562)	(61,606)	(796,238)	(19,133)	(1,458,539)
_/2	March 2019 - forecast	12,608,628	(709,744)	(86,270)	(1,084,341)	(26,059)	(1,906,414)
_/2	April 2019 - forecast	9,014,941	(1,150,562)	(178,242)	(2,212,046)	(52,837)	(3,593,687)
_/2	May 2019 - forecast\	6,880,260	(602,133)	(112,282)	(1,387,182)	(33,084)	(2,134,681)
_/2	June 2019 - forecast	$5,632,708	($400,984)	($62,211)	($766,130)	($18,227)	($1,247,552)

Year 2018-2019

	Cumulative (over) / under recovery - BASE FUEL CAPACITY	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
	Balance ending February 2018	$1,622,067					
	March 2018 - actual	1,523,528	$79,187	($398)	($177,328)	$0	($98,539)
	April 2018 - actual	2,089,902	479,717	34,630	52,027	0	566,374
	May 2018 - actual	2,445,242	379,717	16,470	(40,847)	0	355,340
	June 2018 - actual	2,666,876	217,876	(2,152)	5,910	0	221,634
	July 2018 - actual	2,857,544	88,083	(5,454)	108,039	0	190,668
	August 2018 - actual	2,709,391	(174,287)	(21,437)	47,571	0	(148,153)
	September 2018 - actual	2,361,078	(199,912)	(23,546)	(124,855)	0	(348,313)
	October 2018 - actual	1,891,426	(303,466)	(34,886)	(131,300)	0	(469,652)
_/2	November 2018 - forecast	1,839,463	(17,593)	(4,745)	(29,625)	0	(51,963)
_/2	December 2018 - forecast	1,352,147	(372,900)	(8,663)	(105,753)	0	(487,316)
_/2	January 2019 - forecast	512,085	(805,580)	(15,658)	(18,824)	0	(840,062)
_/2	February 2019 - forecast	(125,712)	(568,087)	(9,516)	(60,194)	0	(637,797)
_/2	March 2019 - forecast	(256,915)	(166,399)	11,044	24,152	0	(131,203)
_/2	April 2019 - forecast	17,166	119,328	10,394	144,359	0	274,081
_/2	May 2019 - forecast\	326,778	260,656	5,149	43,807	0	309,612
_/2	June 2019 - forecast	$262,121	($26,033)	($2,734)	($35,890)	$0	($64,657)

Year 2018-2019

	Cumulative (over) / under recovery - ENVIRONMENTAL	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
	Balance ending February 2018	($616,504)					
	March 2018 - actual	(648,397)	($9,388)	($802)	($21,703)	$0	($31,893)
	April 2018 - actual	(646,907)	10,886	939	(10,335)	0	1,490
	May 2018 - actual	(644,440)	13,284	519	(11,336)	0	2,467
	June 2018 - actual	(578,713)	44,416	3,379	17,932	0	65,727
	July 2018 - actual	(485,932)	52,174	4,953	35,654	0	92,781
	August 2018 - actual	(331,044)	82,556	8,644	63,688	0	154,888
	September 2018 - actual	(243,057)	43,796	5,046	39,145	0	87,987
	October 2018 - actual	(185,125)	26,868	3,296	27,768	0	57,932
_/2	November 2018 - forecast	(191,223)	(9,849)	(111)	3,862	0	(6,098)
_/2	December 2018 - forecast	(155,799)	11,304	2,674	21,446	0	35,424
_/2	January 2019 - forecast	74,672	121,347	13,802	95,322	0	230,471
_/2	February 2019 - forecast	266,250	101,144	11,454	78,980	0	191,578
_/2	March 2019 - forecast	270,185	(7,592)	971	10,556	0	3,935
_/2	April 2019 - forecast	241,550	(24,804)	(1,314)	(2,517)	0	(28,635)
_/2	May 2019 - forecast\	249,320	(720)	418	8,072	0	7,770
_/2	June 2019 - forecast	$303,190	$24,362	$3,264	$26,244	$0	$53,870

Year 2018-2019

	Cumulative (over) / under recovery - DERP AVOIDED COSTS	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
	Balance ending February 2018	$2,713					
	March 2018 - actual	7,033	$2,554	$236	$1,530	$0	$4,320
	April 2018 - actual	14,508	4,419	408	2,648	0	7,475
	May 2018 - actual	21,181	3,945	364	2,364	0	6,673
	June 2018 - actual	23,496	1,368	127	820	0	2,315
	July 2018 - actual	26,569	755	189	2,129	0	3,073
	August 2018 - actual	36,281	3,500	568	5,644	0	9,712
	September 2018 - actual	39,362	(348)	203	3,226	0	3,081
	October 2018 - actual	32,433	(5,959)	(354)	(616)	0	(6,929)
_/2	November 2018 - forecast	33,749	(895)	102	2,109	0	1,316
_/2	December 2018 - forecast	33,585	(2,374)	98	2,112	0	(164)
_/2	January 2019 - forecast	31,491	(4,232)	81	2,057	0	(2,094)
_/2	February 2019 - forecast	30,473	(3,213)	96	2,099	0	(1,018)
_/2	March 2019 - forecast	30,283	(2,451)	99	2,162	0	(190)
_/2	April 2019 - forecast	31,405	(1,272)	103	2,291	0	1,122
_/2	May 2019 - forecast\	33,094	(619)	87	2,221	0	1,689
_/2	June 2019 - forecast	$33,407	($1,811)	$61	$2,063	$0	$313

Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
October 2018

Line No.			Residential	Commercial	Industrial	Total
Distributed Energy Resource Program component of recovery: incremental costs						
44	Incurred S.C. DERP incremental expense	Input	$141,020	$55,964	$41,574	$238,558
45	Billed S.C. DERP incremental rates by account ($/account)	Input	0.72	1.26	99.55	
46	Billed S.C. DERP incremental revenue	Input	$103,655	$42,176	$26,978	$172,809
47	S.C. DERP incremental (over)/under recovery [See footnote]	L44 - L46	$37,365	$13,788	$14,596	$65,749
48	Adjustment	Input				
49	Total S.C. DERP incremental (over)/under recovery [See footnote]	L47 + L48	$37,365	$13,788	$14,596	$65,749

	Year 2018-2019 Cumulative (over) / under recovery	Cumulative	Total
	Balance ending February 2018	($448,552)	
	March 2018 - actual	(541,339)	($92,787)
	April 2018 - actual	(634,011)	(92,672)
	May 2018 - actual	(707,644)	(73,633)
	June 2018 - actual	(702,927)	4,717
	July 2018 - actual	(661,166)	41,761
	August 2018 - actual	(600,348)	60,818
	September 2018 - actual	(518,066)	82,282
	October 2018 - actual	(452,317)	65,749
_/2	November 2018 - forecast	(358,769)	93,548
_/2	December 2018 - forecast	(262,731)	96,038
_/2	January 2019 - forecast	(149,922)	112,809
_/2	February 2019 - forecast	(30,444)	119,478
_/2	March 2019 - forecast	105,035	135,479
_/2	April 2019 - forecast	253,748	148,713
_/2	May 2019 - forecast\	409,530	155,782
_/2	June 2019 - forecast	$573,262	$163,732

Notes:

Detail amounts may not recalculate due to percentages presented as rounded.

Presentation of over or under collected amounts reflects a regulatory asset or liability. Over collections, or regulatory liabilities, are shown as negative amounts.
Under collections, or regulatory assets, are shown as positive amounts.

_/1 Total residential billed fuel rate is a composite rate reflecting the approved residential rate of 2.384 and RECD 5% discount.

_/2 Forecast amounts based on low end of range of expected fuel rates.

Description	Weatherspoon CT	Lee CC	Sutton CC/CT	Robinson Nuclear	Asheville Steam	Asheville CT	Roxboro Steam	Mayo Steam
Cost of Fuel Purchased ($)								
Coal	-	-	-	-	$4,948,660	-	$21,458,136	$153,123
Oil	122,861	-	-	30,447	-	-	302,599	16,888
Gas - CC	-	18,890,186	3,924,872	-	-	-	-	-
Gas - CT	24	-	515,892	-	-	97,168	-	-
Biogas	-	-	-	-	-	-	-	-
Total	122,885	$18,890,186	$4,440,764	30,447	$4,948,660	$97,168	$21,760,735	$170,011
Average Cost of Fuel Purchased (¢/MBTU)								
Coal	-	-	-	-	339.32	-	331.19	-
Oil	1,688.58	-	-	1,486.67	-	-	1,636.91	1,649.22
Gas - CC	-	381.91	1,399.87	-	-	-	-	-
Gas - CT	-	-	461.43	-	-	876.18	-	-
Biogas	-	-	-	-	-	-	-	-
Weighted Average	1,688.91	381.91	1,132.33	1,486.67	339.32	876.18	334.91	(A)
Cost of Fuel Burned ($)								
Coal	-	-	-	-	$5,638,250	-	$8,955,793	-
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	28,708	-	-	-	60,645	-	269,078	3,741
Gas - CC	-	18,890,186	3,924,872	-	-	-	-	-
Gas - CT	24	-	515,892	-	-	97,168	-	-
Biogas	-	-	-	-	-	-	-	-
Nuclear	-	-	-	-	-	-	-	-
Total	$28,732	$18,890,186	$4,440,764	$0	$5,698,895	$97,168	$9,224,871	$3,741
Average Cost of Fuel Burned (¢/MBTU)								
Coal	-	-	-	-	324.25	-	328.30	-
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	1,600.22	-	-	-	1,568.27	-	1,607.11	1,565.27
Gas - CC	-	381.91	1,399.87	-	-	-	-	-
Gas - CT	-	-	461.43	-	-	876.18	-	-
Biogas	-	-	-	-	-	-	-	-
Nuclear	-	-	-	-	-	-	-	-
Weighted Average	1,601.56	381.91	1,132.33	-	327.01	876.18	336.11	1,565.27
Average Cost of Generation (¢/kWh)								
Coal	-	-	-	-	3.95	-	3.64	-
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	119.62	-	-	-	19.08	-	17.48	-
Gas - CC	-	2.77	16.24	-	-	-	-	-
Gas - CT	-	-	4.02	-	-	11.85	-	-
Biogas	-	-	-	-	-	-	-	-
Nuclear	-	-	-	-	-	-	-	-
Weighted Average	119.72	2.77	12.00	-	3.98	11.85	3.73	-
Burned MBTU's								
Coal	-	-	-	-	1,738,847	-	2,727,895	-
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	1,794	-	-	-	3,867	-	16,743	239
Gas - CC	-	4,946,177	280,375	-	-	-	-	-
Gas - CT	-	-	111,803	-	-	11,090	-	-
Biogas	-	-	-	-	-	-	-	-
Nuclear	-	-	-	-	-	-	-	-
Total	1,794	4,946,177	392,178	-	1,742,714	11,090	2,744,638	239
Net Generation (mWh)								
Coal	-	-	-	-	142,872	-	246,046	-
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	24	-	-	-	318	-	1,539	(3,711)
Gas - CC	-	682,017	24,165	-	-	-	-	-
Gas - CT	-	-	12,835	-	-	820	-	-
Biogas	-	-	-	-	-	-	-	-
Nuclear	-	-	-	(2,024)	-	-	-	-
Hydro (Total System)								
Solar (Total System)								
Total	24	682,017	37,000	(2,024)	143,190	820	247,585	(3,711)
Cost of Reagents Consumed ($)								
Ammonia	-	-	-	-	-	-	$47,492	-
Limestone	-	-	-	-	246,322	-	321,205	-
Re-emission Chemical	-	-	-	-	-	-	-	-
Sorbents	-	-	-	-	10,743	-	99,971	618
Urea	-	-	-	-	143,859	-	-	-
Total	-	-	-	-	$400,924	-	$468,668	$618

Notes:

Detail amounts may not add to totals shown due to rounding.

Schedule excludes in-transit, terminal and tolling agreement activity.

Cents/MBTU and cents/kWh are not computed when costs and/or net generation is negative.

Lee and Wayne oil burn is associated with inventory consumption shown on Schedule 6 for Wayne.

(A) Cents per MBTU is atypical for current month due to low output.

Description	Brunswick Nuclear	Blewett CT	Wayne County CT	Darlington CT	Smith Energy Complex CC/CT	Harris Nuclear	Current Month	Total 12 ME October 2018
Cost of Fuel Purchased ($)								
Coal	-	-	-	-	-	-	$26,559,919	$265,023,018
Oil	30,965	313,436	1,317,553	1,605,717	-	10,750	3,751,216	80,040,893
Gas - CC	-	-	-	-	18,289,933	-	41,104,991	666,692,654
Gas - CT	-	-	4,153,474	1,533,475	15,961,798	-	22,261,831	166,486,687
Biogas	-	-	-	-	60,333	-	60,333	393,053
Total	30,965	313,436	$5,471,027	$3,139,192	$34,251,731	10,750	$93,738,290	$1,178,636,305
Average Cost of Fuel Purchased (¢/MBTU)								
Coal	-	-	-	-	-	-	334.62	325.32
Oil	1,509.75	1,804.57	1,785.79	1,823.89	-	-	1,785.68	1,704.11
Gas - CC	-	-	-	-	342.21	-	388.84	468.69
Gas - CT	-	-	385.60	361.31	341.79	-	353.67	359.34
Biogas	-	-	-	-	2,921.69	-	2,921.69	2,925.59
Weighted Average	1,509.75	1,804.57	475.35	612.58	342.55	-	374.72	428.98
Cost of Fuel Burned ($)								
Coal	-	-	-	-	-	-	$14,594,043	$299,598,199
Oil - CC	-	-	-	-	252	-	252	2,047
Oil - Steam/CT	-	-	3,346	-	108,186	-	473,704	76,412,169
Gas - CC	-	-	-	-	18,289,933	-	41,104,991	666,692,654
Gas - CT	-	-	4,153,474	1,533,475	15,961,798	-	22,261,831	166,486,687
Biogas	-	-	-	-	60,333	-	60,333	393,053
Nuclear	8,895,404	-	-	-	-	4,849,210	13,744,614	189,535,886
Total	$8,895,404	$0	$4,156,820	$1,533,475	34,420,502.00	$4,849,210	$92,239,768	$1,399,120,695
Average Cost of Fuel Burned (¢/MBTU)								
Coal	-	-	-	-	-	-	326.73	320.73
Oil - CC	-	-	-	-	1,680.00	-	1,680.00	1,650.81
Oil - Steam/CT	-	-	1,742.71	-	1,663.12	-	1,614.53	1,671.56
Gas - CC	-	-	-	-	342.21	-	388.84	468.69
Gas - CT	-	-	385.60	361.31	341.79	-	353.67	359.34
Biogas	-	-	-	-	2,921.69	-	2,921.69	2,925.59
Nuclear	60.92	-	-	-	-	64.95	62.28	64.29
Weighted Average	60.92	-	385.84	361.31	343.41	64.95	212.38	240.65
Average Cost of Generation (¢/kWh)								
Coal	-	-	-	-	-	-	3.75	3.53
Oil - CC	-	-	-	-	25.20	-	25.20	20.47
Oil - Steam/CT	-	-	19.51	-	18.47	-	-	20.87
Gas - CC	-	-	-	-	2.49	-	2.85	3.35
Gas - CT	-	-	4.28	4.53	3.62	-	3.80	4.00
Biogas	-	-	-	-	23.90	-	23.90	22.35
Nuclear	0.64	-	-	-	-	0.66	0.65	0.68
Weighted Average	0.64	-	4.28	4.55	2.93	0.66	2.00	2.26
Burned MBTU's								
Coal	-	-	-	-	-	-	4,466,742	93,409,956
Oil - CC	-	-	-	-	15	-	15	124
Oil - Steam/CT	-	-	192	-	6,505	-	29,340	4,571,299
Gas - CC	-	-	-	-	5,344,638	-	10,571,190	142,244,699
Gas - CT	-	-	1,077,156	424,419	4,670,035	-	6,294,503	46,331,251
Biogas	-	-	-	-	2,065	-	2,065	13,435
Nuclear	14,601,879	-	-	-	-	7,466,435	22,068,314	294,816,533
Total	14,601,879	-	1,077,348	424,419	10,023,258	7,466,435	43,432,169	581,387,297
Net Generation (mWh)								
Coal	-	-	-	-	-	-	388,918	8,480,755
Oil - CC	-	-	-	-	1	-	1	10
Oil - Steam/CT	-	(25)	17	(198)	586	-	(1,450)	366,079
Gas - CC	-	-	-	-	733,619	-	1,439,801	19,911,736
Gas - CT	-	-	97,001	33,868	440,573	-	585,097	4,156,991
Biogas	-	-	-	-	252	-	252	1,759
Nuclear	1,383,271	-	-	-	-	733,607	2,114,854	28,037,881
Hydro (Total System)							56,390	716,602
Solar (Total System)							18,193	238,756
Total	1,383,271	(25)	97,018	33,670	1,175,032	733,607	4,602,057	61,910,569
Cost of Reagents Consumed ($)								
Ammonia	-	-	-	-	$24,045	-	$71,537	$1,883,084
Limestone	-	-	-	-	-	-	567,527	10,255,019
Re-emission Chemical	-	-	-	-	-	-	-	170,839
Sorbents	-	-	-	-	-	-	111,332	2,829,332
Urea	-	-	-	-	-	-	143,859	1,091,808
Total	-	-	-	-	$24,045	-	$894,255	$16,230,081

Duke Energy Progress | **Schedule 6**
Fuel & Fuel-related Consumption and Inventory Report | **Page 1 of 3**
October 2018

Description	Weatherspoon	Lee	Sutton	Robinson	Asheville
Coal Data:					
Beginning balance	-	-	-	-	87,029
Tons received during period	-	-	-	-	57,654
Inventory adjustments	-	-	-	-	-
Tons burned during period	-	-	-	-	68,740
Ending balance	-	-	-	-	75,943
MBTUs per ton burned	-	-	-	-	25.30
Cost of ending inventory ($/ton)	-	-	-	-	82.02
Oil Data:					
Beginning balance	633,232	-	2,632,614	78,040	2,453,513
Gallons received during period	52,727	-	-	14,841	-
Miscellaneous use and adjustments	-	-	-	-	(4,588)
Gallons burned during period	12,818	-	-	14,841	27,848
Ending balance	673,141	-	2,632,614	78,040	2,421,077
Cost of ending inventory ($/gal)	2.24	-	2.80	2.44	2.18
Natural Gas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	-	4,765,502	380,043	-	10,809
MCF burned during period	-	4,765,502	380,043	-	10,809
Ending balance	-	-	-	-	-
Biogas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	-	-	-	-	-
MCF burned during period	-	-	-	-	-
Ending balance	-	-	-	-	-
Limestone/Lime Data:					
Beginning balance	-	-	-	-	9,217
Tons received during period	-	-	-	-	1,246
Inventory adjustments	-	-	-	-	-
Tons consumed during period	-	-	-	-	4,189
Ending balance	-	-	-	-	6,274
Cost of ending inventory ($/ton)	-	-	-	-	57.61

Notes:
Detail amounts may not add to totals shown due to rounding.
Schedule excludes in-transit, terminal and tolling agreement activity.
Gas is burned as received; therefore, inventory balances are not maintained.
The oil inventory data for Wayne reflects the common usage of the oil tank used for both Wayne and Lee units.

Duke Energy Progress
Fuel & Fuel-related Consumption and Inventory Report
October 2018

Description	Roxboro	Mayo	Brunswick	Blewett	Wayne County
Coal Data:					
Beginning balance	800,765	198,539	-	-	-
Tons received during period	255,865	-	-	-	-
Inventory adjustments	-	-	-	-	-
Tons burned during period	107,932	-	-	-	-
Ending balance	948,698	198,539	-	-	-
MBTUs per ton burned	25.27	-	-	-	-
Cost of ending inventory ($/ton)	82.94	81.23	-	-	-
Oil Data:					
Beginning balance	177,944	270,078	163,007	682,067	11,660,466
Gallons received during period	133,956	7,423	14,863	125,860	534,637
Miscellaneous use and adjustments	(7,434)	(900)	-	-	-
Gallons burned during period	121,226	1,741	2,735	-	1,394
Ending balance	183,240	274,860	175,135	807,927	12,193,709
Cost of ending inventory ($/gal)	2.22	2.15	2.44	2.37	2.40
Natural Gas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	-	-	-	-	1,035,997
MCF burned during period	-	-	-	-	1,035,997
Ending balance	-	-	-	-	-
Biogas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	-	-	-	-	-
MCF burned during period	-	-	-	-	-
Ending balance	-	-	-	-	-
Limestone/Lime Data:					
Beginning balance	76,567	16,710	-	-	-
Tons received during period	27,487	57	-	-	-
Inventory adjustments	-	-	-	-	-
Tons consumed during period	7,288	-	-	-	-
Ending balance	96,766	16,767	-	-	-
Cost of ending inventory ($/ton)	41.87	52.44	-	-	-

Description	Darlington	Smith Energy Complex	Harris	Current Month	Total 12 ME October 2018
Coal Data:					
Beginning balance	-	-	-	1,086,333	1,678,651
Tons received during period	-	-	-	313,519	3,228,916
Inventory adjustments	-	-	-	-	24,990
Tons burned during period	-	-	-	176,672	3,709,377
Ending balance	-	-	-	1,223,180	1,223,180
MBTUs per ton burned	-	-	-	25.28	25.18
Cost of ending inventory ($/ton)	-	-	-	82.61	82.61
Oil Data:					
Beginning balance	9,991,385	8,279,768	302,087	37,324,201	37,985,421
Gallons received during period	637,957	-	-	1,522,264	34,035,641
Miscellaneous use and adjustments	-	-	-	(12,922)	(175,055)
Gallons burned during period	-	46,572	10,066	239,241	33,251,705
Ending balance	10,629,342	8,233,196	292,021	38,594,302	38,594,302
Cost of ending inventory ($/gal)	2.39	2.33	2.44	2.39	2.39
Natural Gas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	413,373	9,677,901	-	16,283,625	183,396,901
MCF burned during period	413,373	9,677,901	-	16,283,625	183,396,901
Ending balance	-	-	-	-	-
Biogas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	-	1,992	-	1,992	13,091
MCF burned during period	-	1,992	-	1,992	13,091
Ending balance	-	-	-	-	-
Limestone/Lime Data:					
Beginning balance	-	-	-	102,494	145,841
Tons received during period	-	-	-	28,790	196,277
Inventory adjustments	-	-	-	-	14,692
Tons consumed during period	-	-	-	11,477	237,003
Ending balance	-	-	-	119,807	119,807
Cost of ending inventory ($/ton)	-	-	-	44.17	44.17

Schedule 7

DUKE ENERGY PROGRESS

ANALYSIS OF COAL PURCHASED

OCTOBER 2018

STATION	TYPE	QUANTITY OF TONS DELIVERED	DELIVERED COST	DELIVERED COST PER TON
ASHEVILLE	SPOT	23,281	$ 2,008,926	$ 86.29
	CONTRACT	34,373	2,859,477	83.19
	ADJUSTMENTS	-	80,256	-
	TOTAL	57,654	4,948,660	85.83
MAYO	SPOT	-	-	-
	CONTRACT	-	-	-
	ADJUSTMENTS	-	153,123	-
	TOTAL	-	153,123	-
ROXBORO	SPOT	59,738	5,068,111	84.84
	CONTRACT	196,128	15,907,815	81.11
	ADJUSTMENTS	-	482,210	-
	TOTAL	255,865	21,458,136	83.87
ALL PLANTS	SPOT	83,019	7,077,038	85.25
	CONTRACT	230,501	18,767,292	81.42
	ADJUSTMENTS	-	715,590	-
	TOTAL	313,519	$ 26,559,919	$ 84.72

Schedule 8

DUKE ENERGY PROGRESS

ANALYSIS OF COAL QUALITY RECEIVED

OCTOBER 2018

STATION	PERCENT MOISTURE	PERCENT ASH	HEAT VALUE	PERCENT SULFUR
ASHEVILLE	6.57	9.65	12,648	2.05
MAYO	-	-	-	-
ROXBORO	6.65	8.98	12,661	2.13

DUKE ENERGY PROGRESS
ANALYSIS OF OIL PURCHASED
OCTOBER 2018

	BLEWETT	BRUNSWICK	DARLINGTON	MAYO
VENDOR	Indigo	Hightowers Petroleum Co.	Indigo	Greensboro Tank Farm
SPOT/CONTRACT	Contract	Contract	Contract	Contract
SULFUR CONTENT %	0	0	0	0
GALLONS RECEIVED	125,860	14,863	637,957	7,423
TOTAL DELIVERED COST	$ 313,436	$ 30,965	$ 1,605,717	$ 16,888
DELIVERED COST/GALLON	$ 2.49	$ 2.08	$ 2.52	$ 2.28
BTU/GALLON	138,000	138,000	138,000	138,000

	ROBINSON	ROXBORO	WAYNE	WEATHERSPOON
VENDOR	Hightowers Petroleum Co.	Greensboro Tank Farm	Indigo	Petroleum Traders
SPOT/CONTRACT	Contract	Contract	Contract	Contract
SULFUR CONTENT %	0	0	0	0
GALLONS RECEIVED	14,841	133,956	534,637	52,727
TOTAL DELIVERED COST	$ 30,447	$ 302,599	$ 1,317,553	$ 122,861
DELIVERED COST/GALLON	$ 2.05	$ 2.26	$ 2.46	$ 2.33
BTU/GALLON	138,000	138,000	138,000	138,000

Notes:
Price adjustment of $10,750 for the Harris station is excluded.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
November, 2017 - October, 2018
Nuclear Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Brunswick 1	7,075,795	938	86.11	89.02
Brunswick 2	7,573,071	932	92.76	95.56
Harris 1	7,541,199	931	92.43	89.02
Robinson 2	5,847,816	741	90.09	86.74

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
November, 2017 through October, 2018
Combined Cycle Units

Unit Name		Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Lee Energy Complex	1A	1,464,509	225	74.41	82.06
Lee Energy Complex	1B	1,462,102	226	73.80	81.91
Lee Energy Complex	1C	1,485,989	227	74.67	81.78
Lee Energy Complex	ST1	2,901,228	379	87.39	94.52
Lee Energy Complex	Block Total	7,313,828	1,057	78.99	86.42
Richmond County CC	7	1,222,399	189	73.83	80.72
Richmond County CC	8	1,216,961	189	73.50	80.41
Richmond County CC	ST4	1,362,817	175	88.90	88.68
Richmond County CC	9	1,479,236	216	78.30	83.35
Richmond County CC	10	1,491,181	216	78.93	83.84
Richmond County CC	ST5	1,963,034	248	90.36	94.06
Richmond County CC	Block Total	8,735,628	1,232	80.92	85.49
Sutton Energy Complex	1A	1,201,700	224	61.20	69.46
Sutton Energy Complex	1B	1,228,950	224	62.58	68.87
Sutton Energy Complex	ST1	1,433,400	270	60.53	73.78
Sutton Energy Complex	Block Total	3,864,050	719	61.38	70.89

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
November, 2017 through October, 2018

Intermediate Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Mayo 1	1,458,740	746	22.32	79.76
Roxboro 2	1,788,472	673	30.34	76.42
Roxboro 3	1,709,129	698	27.95	67.87
Roxboro 4	1,629,177	711	26.16	53.68

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
November, 2017 through October, 2018
Other Cycling Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Operating Availability (%)
Asheville 1	622,510	192	37.01	87.21
Asheville 2	555,728	192	33.04	94.75
Roxboro 1	774,454	380	23.27	88.62

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
November, 2017 through October, 2018
Combustion Turbine Stations

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Asheville CT	510,168	370	79.10
Blewett CT	195	68	92.78
Darlington CT	228,871	846	75.41
Richmond County CT	3,063,683	931	84.30
Sutton Fast Start CT	231,171	97	87.21
Wayne County CT	429,770	962	96.37
Weatherspoon CT	1,756	164	96.75

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data

Twelve Month Summary
November, 2017 through October, 2018
Hydroelectric Stations

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Blewett	98,373	27.0	84.09
Marshall	1,509	4.0	11.57
Tillery	184,897	84.0	93.25
Walters	431,823	113.0	94.58

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.